

Amendments to the Claims:

Please cancel claims 1-27 without disclaimer or prejudice.

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (New) A heat exchanger, comprising:

an air/air heat exchanger;

an air/refrigerant heat exchanger coupled to said air/air heat exchanger by a connecting tube, said air/refrigerant heat exchanger comprising a series of stacked plates; and

a phase change material contained within a first gap between one of said stacked plates and another of said stacked plates.

29. (New) The heat exchanger of claim 28, wherein said air/refrigerant heat exchanger includes a refrigerant contained within a second gap between one of said stacked plates and another of said stacked plates.

30. (New) The heat exchanger of claim 29, wherein said first gap is between a first of said stacked plates and a second of said stacked plates, and said second gap is between said second of said stacked plates and a third of said stacked plates.

31. (New) The heat exchanger of claim 28 further comprising a probe for sensing a temperature.

32. (New) The heat exchanger of claim 31, wherein said probe is a phase change temperature sensing probe, and is located near said phase change material.

33. (New) The heat exchanger of claim 28 further comprising a mesh condensate separator.

34. (New) The heat exchanger of claim 33 wherein said mesh condensate separator comprises a non-rust metal.

35. (New) A heat exchanger, comprising:

an air/air heat exchanger;

an air/refrigerant heat exchanger coupled to said air/air heat exchanger, said air/refrigerant heat exchanger comprising a plurality of tubes; and

a phase change material disposed between one of said plurality of tubes and another of said plurality of tubes.

36. (New) The heat exchanger of claim 35, wherein said phase change material is contained within a jacket.

37. (New) The heat exchanger of claim 35, wherein said plurality of tubes are arranged in a coiled manner.

38. (New) The heat exchanger of claim 35, wherein said plurality of tubes are arranged in a straight manner.

39. (New) The heat exchanger of claim 35 further comprising a probe for sensing a temperature.

40. (New) The heat exchanger of claim 39, wherein said probe is a phase change temperature sensing probe, and is located near said phase change material.

41. (New) An air/refrigerant heat exchanger, comprising:

a plurality of coiled tubes,

wherein one of said plurality of coiled tubes contains a phase change material, and another of said plurality of tubes contains a refrigerant.

42. (New) The air/refrigerant heat exchanger of claim 41, wherein another of said plurality of tubes is an air tube.

43. (New) The air/refrigerant heat exchanger of claim 41, further comprising a condensed moisture separator.

44. (New) The air/refrigerant heat exchanger of claim 41 further comprising a probe.

45. (New) The air/refrigerant heat exchanger of claim 44, wherein said probe is a phase change temperature sensing probe, and is located near said phase change material.